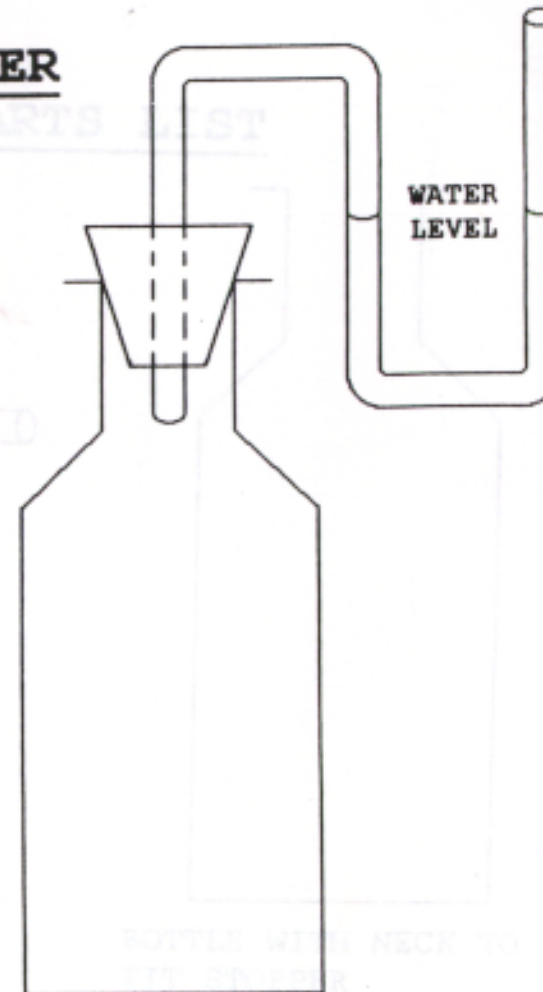


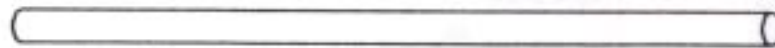
SIMPLE BAROMETER

ASSEMBLY INSTRUCTIONS

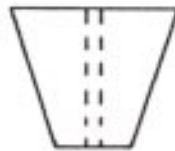
1. USING HEAT, BEND THE PLASTIC TUBE INTO THE SHAPE SHOWN.
2. WET THE STOPPER AND TUBE WITH WATER, AND INSERT THE TUBE INTO THE HOLE IN THE STOPPER.
3. INSERT THE STOPPER WITH THE TUBE INTO THE NECK OF THE BOTTLE UNTIL IT SEALS.
4. POUR COLORED WATER INTO THE OPEN END OF THE TUBE UNTIL THE "U" IS ABOUT HALF FULL.
5. AS THE ATMOSPHERIC PRESSURE GOES UP, THE LEVEL IN THE OPEN END OF THE TUBE WILL FALL.
AS THE ATMOSPHERIC PRESSURE GOES DOWN, THE WATER LEVEL IN THE OPEN END OF THE TUBE WILL RISE.
6. BECAUSE OF THE CONFINED AIR IN THE BOTTLE, CHANGES IN TEMPERATURE WILL ALSO MAKE THE WATER LEVEL IN THE TUBE RISE AND FALL. USING THE SMALLEST POSSIBLE BOTTLE WILL REDUCE THIS EFFECT.



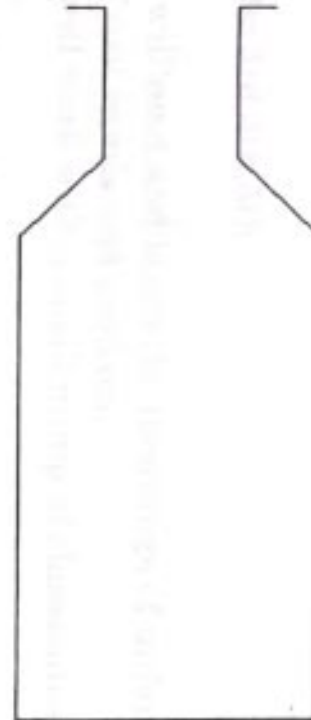
SIMPLE BAROMETER PARTS LIST



RIGID PLASTIC TUBE
(ABOUT 30 cm TO 45 cm
LONG)



RUBBER OR CORK
STOPPER WITH HOLE
TO SUIT TUBE



BOTTLE WITH NECK TO
FIT STOPPER